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2. A method of gathering information on the use of a control signal at a receiver station, said receiver station having a plurality of inputs, a processor, and a least one controllable device, said receiver station transferring said gathered information to a remote station, said method comprising the steps of: identifying a control signal; searching for said control signal in an input data stream based on said step of identifying; passing said control signal from said processor to said at least one controllable device based on said step of searching ; and communicating information on the passing of said control signal from said receiver station to said remote station.	'490 1. A method of communicating television. program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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13. A multimedia receiving apparatus for gathering information on the use of a control signal at said apparatus comprising: a plurality of input ports for receiving multimedia signals; an output port; a processor operatively connected to said plurality of input ports and said output port; said processor programmed for: identifying a control signal from at least one of said plurality of input ports; passing said control signal from said processor to said output port based on said step of identifying communicating information of the passing of said identified control signal based on said step of passing.	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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21. A method of communicating subscriber station information from a subscriber station to at least one remote collection station, said method comprising the steps of: inputting an instruct signal which is effective at said subscriber station to control an apparatus and at least one of a code and a datum to serve as evidence of at least one of the passing of said instruct signal to a controllable apparatus and the functioning of said controllable apparatus in response to said instruct signal; detecting the presence of at least one of an instruction, said code and said datum, which is effective at the subscriber station to at least one of (i) generate at least one of subscriber station specific datum and select and assemble a plurality of said subscriber station specific data into a record; processing at the subscriber station at least one locally inputted datum and performing, in response to said detected one of said instruction, said code and said datum, at least one of: (a) communicating said generated at least one	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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subscriber station specific data to a transmitter; and (b) communicating said record and said selected specific plurality of subscriber specific data to a transmitter; and transmitting at least one of said communicated at least one generated subscriber station specific datum and said communicated record and plurality of subscriber specific data station.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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25.A method of signal processing at a receiver station, said receiver station including a receiver and a processor, said method comprising the steps of: receiving at said receiver identification signals that identify specific signal content for at least one of a plurality of one of concurrent broadcast and cablecast signal transmissions; providing a comparison signal to said processor; comparing said comparison signal to said identification signals and generating a control signal identifying a desired one of said plurality of one of broadcast and cablecast signal transmission based on said step of comparing; tuning said receiver, based on said generated control signal, to receive said desired one of said plurality of one of broadcast and cablecast signal transmissions; inputting at least a portion of said desired signal transmission to said processor; and responding to (i) an instruct signal detected in said desired signal transmission which is effective to control a receiver	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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station apparatus and (ii) a code or datum to serve as evidence of the passing of said instruct signal to a controllable apparatus or of the functioning of said controllable apparatus in response to said instruct signal.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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26. A method of controlling a remote intermediate transmitter station to communicate at least one instruct signal to at least one receiver station, with said remote transmitter station including at least one of a broadcast and is effective at a receiver station to instruct one of a computer and a processor], a plurality of selective transfer devices each operatively connected to said at least one of said broadcast and said cablecast transmitter , a receiver for receiving said at least one instruct signal from at least one origination transmitter station a control signal detector, and one of a controller and computer capable of controlling at least one of said plurality of selective transfer devices, and with said remote transmitter station adapted to detect the presence of at least one control signal, and to deliver at said at least one of said broadcast and said cablecast transmitter said at least one instruct signal, said method comprising the steps of: receiving said at least one instruct signal and at least one of a code and a datum at	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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said at least one origination transmitter station and delivering said at least one instruct signal and said at least one of said code and said datum to at least one origination transmitter, said at least one instruct signal being operative at said at least one receiver station to control at least one controllable apparatus, said at least one of said code and said datum being operative at said at least one receiver station to serve as evidence of at least one of passing of said at least one instruct signal to said at least one controllable apparatus and functioning of said at least one controllable apparatus in response to said at least one instruct signal; receiving said at least one control signal which at said remote intermediate data transmitter station operates to control the communication of said at least one instruct signal and said at least one of said code and said datum: and transmitting said at least one control signal to said at least one origination transmitter before a specific time.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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29. A method of processing signals at a receiver station having a computer and a television monitor to deliver at the television monitor at least one of a combined and sequential presentation of a program and a user specific output, said method comprising the steps of: storing user data of interest; receiving from a television programming source an information transmission containing television programming; transferring said television programming to said television monitor and displaying the television programming; detecting in said information transmission at least one instruct signal which is operative to control a receiver station apparatus and at least one of a code and a datum to serve as evidence of at least one of (i) a passing of said at least one instruct signal to at least one controllable apparatus and (ii) the functioning of said at least one controllable apparatus in response to said at least one instruct signal; controlling said computer based on said detected at least one instruct signal, said step of controlling	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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comprising: selecting at least a portion of said stored user data of interest; communicating said selected at least said portion of said stored user data of interest to said television monitor; and subsequently ceasing to communicate said select at least said portion to said television monitor; and evidencing said at least one of said combined and said sequential output of said received television programming and said selected specific portion of said stored user data of interest by storing said at least one of said code and said datum in a record.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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31 A method of generating and encoding signals to control a presentation comprising the steps of: receiving and storing a program that contains video information; receiving at least one instruction and at least one of code and a datum, said at least one instruction having effect at a user station to control at least one controllable apparatus, said at least one of said code and said datum having effect at said user station to serve as evidence of at least one of passing of said at least one instruction to said at least one controllable apparatus and at least one function performed by said at least one controllable apparatus in response to said at least one instruction encoding said at least one instruction, wherein said step of encoding translating said at least one instruction to at least one control signal, said at least one control signal for directing a processor at said user station to control said at least one controllable apparatus; storing said at least one control signal from said step of encoding in conjunction with said	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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program; and storing said at least one of said code and said datum from said step of receiving in conjunction with said program and said at least one control signal.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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36.A method of controlling a network having a plurality of receiver stations each of which includes a broadcast or cablecast signal receiver, at least one processor, a signal detector, said signal detector adapted to receive signals from a broadcast or cablecast signal, said processor programmed to respond to signals from said detector, said method comprising the steps of: receiving at at least one of a broadcast and a cablecast transmitter station (i) at least one instruct signal which is effective at said plurality of receiver stations to control at least one controllable apparatus and (ii) at least one of a code and a datum to serve as evidence of at least one of passing of said at least one instruct signal to at least one controllable apparatus and functioning of said at least one controllable apparatus in response to said at least one instruct signal; transferring said at least one instruct signal and said at least one of said code and said datum to at least one transmitter; receiving at least one control signal at said transmitter station, said control signal	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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designating at least one receiver station of said plurality of receiver stations in which said at least one instruct signal is addressed; and transmitting said at least one control signal from said at least one transmitter, said at least one transmitter at least one of broadcasting and cablecasting said at least one instruct signal, said at least one of said code and said datum, and said at least one control signal to said plurality of receiver stations.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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44. A method of delivering and gathering information on the use of a control signal in a communication network, said network having a transmitter station and a receiver station, said transmitter station communicating commands directed to a computer program at said receiver station and receiving information from said receiver station, said receiver station having an input -device, a processor executing said computer program for receiving said commands from said transmitter station and transmit information to said transmitter station and a computer for storing data and controlling presentations, said method comprising the steps of: selecting a media program from a plurality of media on the basis of said subscriber program; displaying said selected media from said step of selecting a media at said receiver station; inputting a command at said input device in response to a command communicated in said selected media; receiving at said receiver station a control signal from	'277 44. A television receiver system comprising: a television receiver for receiving a selected broadcast or cablecast television transmission and transferring television programming in said transmission to a television display; an input device for inputting information of the reaction of a viewer to specific television program content; a digital detector operatively connected to a mass medium receiver for detecting digital information in a mass medium transmission and transferring some of said detected information to a processor; and a processor operatively connected to said detector and said input device for generating and outputting information of a video overlay that is related to said television programming or said reaction information; and a television display device operatively connected to said processor for receiving and displaying said video overlay.	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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an external source; controlling a presentation of a unit of said selected media at a peripheral device to said computer in response to said control signal from said step of receiving; and communicating from said receiver station to said transmitter station data that represents a record of said selected media or control signal.		

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46. A method of delivering informative materials by broadcasting said informative materials on a communication network having a transmitter station and a receiver station, said receiver station having a user input device, a processor and a storage device, said method comprising the steps of: receiving an input from a user at said user input device; processing said input from said step of receiving an input at said receiver station to enable said receiver station to receive said informative materials; receiving said informative materials from said communication network in response to said enabled reception of said informative material in said step of processing; and displaying said informative material from said step of receiving informative materials at said receiver station.	'725 3. A method of communicating data to a multiplicity of receiver stations each of which includes a computer adapted to generate and transmit user specific signals to one or more associated output devices, with at least some of said computers being programmed to process modification control signals so as to modify the user specific signals transmitted to their associated output devices, each of said computers being programmed to accommodate a special user application, comprising the steps of: transmitting an instruct-to-transmit signal to said computers at a time when the corresponding user specific information is not being transmitted to an output device, detecting the presence of said instruct-to-transmit signal at selected receiver stations and coupling said instruct-to-transmit signal to the computers associated with said selected	For ex, -'490; -'490 + '725; -'490 + '825; -'490 + '414; -'490 + '654.; -'490 + 277; -'725; -'725 + '825; -'825 + '414; -'825 + '654; -'825 + '277; etc. -'490 + Campbell et al; -'490 + Jeffers et al; -'490 + Hazelwood et al; -'490 +Galumbeck ('419) or ('886); -'490 + Gosch; -'490 + Stern; '490 + Gunn; -'490 + Greenberg ('804); -'490 + Tunmann and J.F. Roche; -'490 + Vikene WO 8002093; -'490 + Barlow; -'490 + Zettl; -'490 + GB 1974 -10 (Millar); -490 + CBS/CCETT North American Broadcast Teletext Specification; same as above but substitute '725; but,

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	stations, and causing said last named computers to generate and transmit their user specific signals to their associated output devices in response to said instruct-to-transmit signal, thereby to transmit to the selected output devices an output signal comprising said data and said related user specific signals, the output signals at a multiplicity of said output devices being different, with each output signal specific to a specific user.	also the 7th patent. -'490 +Yamane et al; -'490 + Hetrich; same as above, but substitute '725, '825; Likewise, '414, 654, '277.

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50. A system for the delivery of informative materials in a coordinated broadcast network having a transmitter station and a plurality of receiver stations, each said receiver station having a display, a processor and a storage device, said system comprising the steps of: receiving at each of said plurality of receiver stations from said communication network said television program from said step of transmitting a television program; receiving at each of said plurality of receiver stations from said communication network said informative material from said step of transmitting informative materials; decoding said informative material at each of said plurality of receiver stations; storing said informative material from said step of decoding said informative material at each said receiver station storage device; recording the use of said informative material at each of said plurality of receiver stations; and reporting the record of the use of said informative material from said step of recording from	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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each of said plurality of receiver stations to said transmitter station.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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54. A method of controlling a remote transmitter station to communicate program material to a remote receiver station and controlling said remote receiver station to communicate a response generated at said remote receiver station to a remote data collection station, said method of controlling comprising the steps of: (1) receiving a unit of programming to be transmitted at a remote transmitter station, and said transmitter station transferring said unit of programming to a transmitter; (2) receiving one or more instruct signals and a code or datum at said remote transmitter station, said one or more instruct signals operate at the remote receiver station to control a receiver station apparatus and direct said receiver station to communicate code or datum to a remote data collection site, said transmitter station transferring, said one or more instruct signal to said transmitter; (3) receiving one or more control signals at said remote transmitter station, said control signals control the communication of	'825 14. A method of processing signals including: (a) the step of receiving a carrier transmission; (b) the step of demodulating said carrier transmission to detect an information transmission thereon; (c) the step of detecting and identifying embedded signals on said information transmission; (d) the step of passing said embedded signals to a device or devices to be controlled based on instructions identified within said embedded signals; (e) the step of controlling said devices based on the instructions within said embedded signals; and (f) the step of recording the receipt of and passing to said devices of said embedded signals.	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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said unit of programming and said one or more instruct signals between said remote intermediate transmitter station and said remote receiver station; and (4) transmitting from said remote transmitter station an information transmission comprising said first unit of programming, said one or more instruct signals and said code or datum in response to said one or more control signals at said remote intermediate transmitter station.		

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58. A method of controlling a remote intermediate mass medium programming transmitter station to communicate mass medium program material to one or more receiver stations, with said remote transmitter station including a broadcast or cablecast transmitter for transmitting one or more units of mass medium programming, a plurality of selective transmission devices each operatively connected to said broadcast or cablecast transmitter for communicating a unit of mass medium programming, a mass medium programming receiver, a control signal detector, and a controller or computer capable of controlling one or more of said selective transmission devices, and with said remote transmitter station adapted to detect the presence of one or more control signals, to control the communication of specific units of mass medium programming in response to detected specific control signals, and to deliver at its broadcast or cablecast transmitter one or more units of mass medium	'414 1. In a signal processing system, a plurality of receiver/distribution means for receiving programming from a program source and for inputting said programming to a switch means and a plurality of detector means, a switch means for receiving output from said plurality of receiver/distribution means, said switch means being capable of directing a selected portion of said programming received from one or more said receiver/distribution means to an associated output device, a plurality of detector means for detecting control signals respecting said programming, a first processor means operatively connected to said plurality of detector means for identifying each detected control signal as having been detected by a particular detector means, a storage means for receiving and storing said detected control signals, and a second processor means for controlling the output	For example, '825; -'825 + '490; -'825 + '725; -'414 + '825; -'414 + '654; -'414 + '490; -'414 + '725; -'414 + '277; -'277 + '490; -'277 + '725; '277 + 654 -all of the above; -each of the above alone or together with Campbell et al; -each of the above alone or together with Jeffers et al; See all claims for each patent. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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programming, said method of communicating comprising the steps of: (1) receiving a unit of mass medium programming to be transmitted by the remote intermediate mass medium programming transmitter station and delivering said unit of mass medium programming to a transmitter, said unit of mass medium programming having an instruct signal which is effective to control a receiver station apparatus and a code or datum to serve as evidence of the passing of said instruct signal to a controllable device or of the functioning of said controllable apparatus in response to said instruct signal; (2) receiving one or more control signals which at the remote intermediate mass medium programming transmitter station operate to control the communication of said unit of mass medium programming; and (3) transmitting said one or more control signals to said transmitter before a specific time.	directing function of said switch means.	

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61. A method of processing signals at a receiver station having a computer and a output device to deliver at the output device a combined or sequential presentation of a program and a user specific output, with said computer having a storage device for storing user data and said output outputting mass medium programming and other information, said method comprising the steps of: storing user data of interest; receiving from a mass medium programming source an information transmission containing mass medium programming; transferring said mass medium programming to said output device and outputting said mass medium programming; detecting in said information transmission an instruct signal which is effective to control a receiver station apparatus and a code or datum to serve as evidence of the passing of said instruct signal to a controllable device or of the functioning of said controllable apparatus in response to said instruct signal; and controlling said computer based on said detected instruct signal, said	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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step of controlling comprising: (1) selecting a specific portion of said stored user data of interest; (2) communicating said selected specific portion of said stored user data of interest to said output device; and subsequently (3) ceasing to communicate said specific portion to said output device; (4) delivering at said output device the combined or sequential output of said received mass medium programming and said selected specific portion of said stored user data of interest in the period of time between said step of communicating said selected specific portion to said output device and said step of ceasing to communicate said selected specific portion to said output device.	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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63. A method for tracking a reception of a control signal and a function of said control signal at a receiver station in a data network, said receiver station having a processor, a storage device, and a plurality of peripheral device interface connections, said method comprising the steps of: receiving said control signal at said receiver station; detecting said control signal at said receiver station; passing said control signal from said processor to at least one peripheral device through said plurality of peripheral device interface connections; determining what function said control signal from said step of passing said control signal performed at said at least one peripheral device; and recording the function of said control signal from said step of determining what function said control signal performed at said at least one peripheral device on said storage device.	'725 3. A method of communicating data to a multiplicity of receiver stations each of which includes a computer adapted to generate and transmit user specific signals to one or more associated output devices, with at least some of said computers being programmed to process modification control signals so as to modify the user specific signals transmitted to their associated output devices, each of said computers being programmed to accommodate a special user application, comprising the steps of: transmitting an instruct-to-transmit signal to said computers at a time when the corresponding user specific information is not being transmitted to an output device, detecting the presence of said instruct-to-transmit signal at selected receiver stations and coupling said instruct-to-transmit signal to the computers associated with said selected	For ex, -'490; -'490 + '725; -'490 + '825; -'490 + '414; -'490 + '654.; -'490 + 277; -'725; -'725 + '825; -'825 + '414; -'825 + '654; -'825 + '277; etc. -'490 + Campbell et al; -'490 + Jeffers et al; -'490 + Hazelwood et al; -'490 +Galumbeck ('419) or ('886); -'490 + Gosch; -'490 + Stern; '490 + Gunn; -'490 + Greenberg ('804); -'490 + Tunmann and J.F. Roche; -'490 + Vikene WO 8002093; -'490 + Barlow; -'490 + Zettl; -'490 + GB 1974 -10 (Millar); -490 + CBS/CCETT North American Broadcast Teletext Specification; same as above but substitute '725; but,

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	stations, and causing said last named computers to generate and transmit their user specific signals to their associated output devices in response to said instruct-to-transmit signal, thereby to transmit to the selected output devices an output signal comprising said data and said related user specific signals, the output signals at a multiplicity of said output devices being different, with each output signal specific to a specific user.	also the 7th patent. -'490 +Yamane et al; -'490 + Hetrich; same as above, but substitute '725, '825; Likewise, '414, 654, '277.

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73. A method of processing signals at a receiver station having a computer and an output device to deliver at the output device at least one of a combined programming presentation and a sequential programming presentation with a user specific output, said computer having a storage device for storing user data and said output device outputting mass medium programming and other information, said method comprising the steps of: storing user data of interest; receiving mass medium programming from a programming source and outputting the mass medium programming at said output device; receiving one of a broadcast information transmission and a cablecast information transmission including an instruct signal which is effective to control receiver station apparatus and at least one of a code and a datum to serve as evidence of one of: (1) a passing of said instruct signal to controllable apparatus and; (2) a functioning of said controllable apparatus in response to said instruct signal; detecting said instruct	'490 1. A method of communicating television program material to a multiplicity of receiver stations each of which includes a television receiver and computer, the computers being adapted to generate and transmit overlay signals to their associated television receivers, said overlay signals causing the display of user specific information related to said program material, and with at least some of said computers being programmed to process overlay modification control signals so as to modify the overlay signals transmitted to their associated receivers, each of said computers being programmed to accommodate a specific user application, comprising the steps of: transmitting a video signal containing a television program signal to said receivers, transmitting an instruct-to-overlay signal to said receiver stations at a time when the corresponding overlay is not being	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.

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signal in said one of said broadcast information transmission and said cablecast information transmission and passing said detected instruct signal to said computer; and controlling said computer based on said detected instruct signal, said step of controlling including: (1) selecting a specific portion of said stored user data of interest; (2) communicating said selected specific portion of said stored user data of interest to said output device; and subsequently (3) ceasing to communicate said specific portion to said output device; (4) delivering at said output device at least one of a combined Output and a sequential output of said received mass medium programming with said selected specific portion of said stored user data of interest in the period of time between said step of communicating said selected specific portion to said output device and said step of ceasing to communicate said selected specific portion to said output device; detecting said at least one of said code and said datum evidencing	displayed, receiving said video signal at a plurality of receiver stations and displaying said program material on the video receivers of selected ones of said plurality of receiver stations, detecting the presence of said instruct-to-overlay signal at said selected receiver stations and coupling said instruct-to-overlay signal to the computers associated with the video receivers of said selected stations, and causing said last named computers to generate and transmit their overlay signals to their associated television receivers in response to said instruct-to-overlay signal, thereby to present a display at the selected receiver stations including the television program material and the related computer generated overlay, the overlays displayed at a multiplicity of said receiver stations being different, with each display specific to a specific user	

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said one of: (1) said passing of said instruct signal to said controllable apparatus and; (2) said functioning of said controllable apparatus in response to said instruct signal; storing said at least one of said code and said datum.		

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83. A method of communicating mass medium programming to at least one receiver station each of which includes one of a broadcast programming receiver and a cablecast programming receiver, an output device, a control signal detector, a processor operably connected to said output device, and with each said receiver station adapted to detect and respond to at least one instruct signal, said method of communicating comprising the steps of: (1) receiving the mass medium programming to be transmitted at a transmitter station and delivering said mass medium programming to at least one transmitter; (2) receiving said at least one instruct signal at said transmitter station, said at least one instruct signal at the receiver station operating to control a receiver station apparatus and store at least one of a code and a datum to serve as evidence of one of: (a) a passing of said at least one instruct signal to controllable apparatus; and (b) a functioning of said controllable apparatus in response to said at least one	'725 3. A method of communicating data to a multiplicity of receiver stations each of which includes a computer adapted to generate and transmit user specific signals to one or more associated output devices, with at least some of said computers being programmed to process modification control signals so as to modify the user specific signals transmitted to their associated output devices, each of said computers being programmed to accommodate a special user application, comprising the steps of: transmitting an instruct-to-transmit signal to said computers at a time when the corresponding user specific information is not being transmitted to an output device, detecting the presence of said instruct-to-transmit signal at selected receiver stations and coupling said instruct-to-transmit signal to the computers associated with said selected	For ex, -'490; -'490 + '725; -'490 + '825; -'490 + '414; -'490 + '654.; -'490 + 277; -'725; -'725 + '825; -'825 + '414; -'825 + '654; -'825 + '277; etc. -'490 + Campbell et al; -'490 + Jeffers et al; -'490 + Hazelwood et al; -'490 +Galumbeck ('419) or ('886); -'490 + Gosch; -'490 + Stern; '490 + Gunn; -'490 + Greenberg ('804); -'490 + Tunmann and J.F. Roche; -'490 + Vikene WO 8002093; -'490 + Barlow; -'490 + Zettl; -'490 + GB 1974 -10 (Millar); -490 + CBS/CCETT North American Broadcast Teletext Specification; same as above but substitute '725; but,

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instruct signal; (3) transferring said at least one instruct signal and said at least one of said code and said datum to said at least one transmitter; and (4) transmitting from said transmitter station at least one information transmission including said mass medium programming, said at least one instruct signal, and said at least one of said code and said datum.	stations, and causing said last named computers to generate and transmit their user specific signals to their associated output devices in response to said instruct-to-transmit signal, thereby to transmit to the selected output devices an output signal comprising said data and said related user specific signals, the output signals at a multiplicity of said output devices being different, with each output signal specific to a specific user.	also the 7th patent. -'490 +Yamane et al; -'490 + Hetrich; same as above, but substitute '725, '825; Likewise, '414, 654, '277.

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90. A method of controlling a remote transmitter station to deliver a receiver specific output to a receiver station and controlling said receiver station to communicate at least one receiver specific datum to a remote data collection station, with said receiver station being remote from said remote data collection station comprising the steps of: (1) receiving at the remote transmitter station at least one instruct signal which operates at the receiver station to perform one of the functions of assembling and communicating receiver specific data to a remote data collection station; (2) receiving a control signal which operates at the remote transmitter station to control the communication of at least one instruct signal, and communicating said control signal to said remote transmitter station; (3) monitoring a use of at least one of said control signal and a resource which responds to said control signal; (4) storing a record of the use of at least one of said control signal and a resource which responds to said control signal from said step of	'825 14. A method of processing signals including: (a) the step of receiving a carrier transmission; (b) the step of demodulating said carrier transmission to detect an information transmission thereon; (c) the step of detecting and identifying embedded signals on said information transmission; (d) the step of passing said embedded signals to a device or devices to be controlled based on instructions identified within said embedded signals; (e) the step of controlling said devices based on the instructions within said embedded signals; and (f) the step of recording the receipt of and passing to said devices of said embedded signals.	For ex, -'490; -'490 + '725; -'490 + '825; -'490 + '414; -'490 + '654.; -'490 + 277; -'725; -'725 + '825; -'825 + '414; -'825 + '654; -'825 + '277; etc. -'490 + Campbell et al; -'490 + Jeffers et al; -'490 + Hazelwood et al; -'490 +Galumbeck ('419) or ('886); -'490 + Gosch; -'490 + Stern; '490 + Gunn; -'490 + Greenberg ('804); -'490 + Tunmann and J.F. Roche; -'490 + Vikene WO 8002093; -'490 + Barlow; -'490 + Zettl; -'490 + GB 1974 -10 (Millar); -490 + CBS/CCETT North American Broadcast Teletext Specification; same as above but substitute '725; but,

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monitoring; (5) receiving one of a code and a datum designating a specific instruct signal to be transmitted by the remote transmitter station, and said remote transmitter station transferring said designated specific instruct signal to a transmitter; and (6) transmitting from said remote transmitter station an information transmission comprising at least one designated instruct signal, said at least one designated instruct signal being transmitted at at least one specific time and on at least one specific channel in accordance with said control signal.		also the 7th patent. -'490 +Yamane et al; -'490 + Hetrich; same as above, but substitute '725, '825; Likewise, '414, 654, '277.

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93. A method for promoting and delivering at least one of a product, service, and a media output for use with an interactive television viewing apparatus comprising the steps of: displaying a television program that demonstrates at least one of a product, a service, and a media output, said interactive television viewing apparatus having an input device to receive input from a viewer; prompting said viewer during said television program whether said viewer wants at least one of said product, service, and said media output demonstrated in said step of displaying, said interactive television viewing apparatus having an output device for outputting at least one of said product, service, and said media output; receiving a reply from said viewer at said input device in response to said step of prompting said viewer, said interactive television viewing apparatus having a processor for processing said viewer reply to perform at least one of the functions of obtaining and enabling instructions which perform at least one of the functions of generating	'725 3. A method of communicating data to a multiplicity of receiver stations each of which includes a computer adapted to generate and transmit user specific signals to one or more associated output devices, with at least some of said computers being programmed to process modification control signals so as to modify the user specific signals transmitted to their associated output devices, each of said computers being programmed to accommodate a special user application, comprising the steps of: transmitting an instruct-to-transmit signal to said computers at a time when the corresponding user specific information is not being transmitted to an output device, detecting the presence of said instruct-to-transmit signal at selected receiver stations and coupling said instruct-to-transmit signal to the computers associated with said selected	For ex, -'490; -'490 + '725; -'490 + '825; -'490 + '414; -'490 + '654.; -'490 + 277; -'725; -'725 + '825; -'825 + '414; -'825 + '654; -'825 + '277; etc. -'490 + Campbell et al; -'490 + Jeffers et al; -'490 + Hazelwood et al; -'490 +Galumbeck ('419) or ('886); -'490 + Gosch; -'490 + Stern; '490 + Gunn; -'490 + Greenberg ('804); -'490 + Tunmann and J.F. Roche; -'490 + Vikene WO 8002093; -'490 + Barlow; -'490 + Zettl; -'490 + GB 1974 -10 (Millar); -490 + CBS/CCETT North American Broadcast Teletext Specification; same as above but substitute '725; but,

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and controlling output of at least one of said product, service, and said media output in response to said instructions; delivering said instructions at said interactive television viewing apparatus in response to said step of receiving a reply, said instructions controlling said interactive television viewing apparatus in performing a technique for delivering at least one of said product, service, and said media output; processing said instructions from said step of delivering; performing said technique at said interactive television viewing apparatus, said processor delivering at least one of said product, service, and said media output on the basis of said instructions; monitoring at use of at least one of said instructions and a resource which outputs at least a portion of said product, service, and said media; and storing a record of said use of said at least one of said instructions and said resource from said step of monitoring.	stations, and causing said last named computers to generate and transmit their user specific signals to their associated output devices in response to said instruct-to-transmit signal, thereby to transmit to the selected output devices an output signal comprising said data and said related user specific signals, the output signals at a multiplicity of said output devices being different, with each output signal specific to a specific user.	also the 7th patent. -'490 +Yamane et al; -'490 + Hetrich; same as above, but substitute '725, '825; Likewise, '414, 654, '277.

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122. A method of gathering information on the use of at least one of a resource and a control signal at a receiver station, said receiver station having a processor and a controlled device, said receiver station transferring said gathered information to a remote station, said method comprising the steps of: (1) identifying at least one of a resource and a control signal; (2) monitoring at least one of said resource and said control signal; (3) storing a record of the use of at least one of said resource and said control signal from said step of monitoring; and (4) communicating information evidencing said use of at least one of said resource and said control signal from said step of storing a record from said receiver station to a remote station.	'825 14. A method of processing signals including: (a) the step of receiving a carrier transmission; (b) the step of demodulating said carrier transmission to detect an information transmission thereon; (c) the step of detecting and identifying embedded signals on said information transmission; (d) the step of passing said embedded signals to a device or devices to be controlled based on instructions identified within said embedded signals; (e) the step of controlling said devices based on the instructions within said embedded signals; and (f) the step of recording the receipt of and passing to said devices of said embedded signals.	for example -'654; -'725 + Campbell e al; -'725 + Jeffers et al; -'490 + Campbell et al; -'725 + Jeffers et al. -'825 + Campbell et al; -'825 + Jeffers et al. -'277 + Campbell et al; -'277 + Jeffers et al For '654 see clms 1-71; For '725 patent see claims 1-5; For '490 patent see clms 1-13. For Campbell et al see abnd parent of '791 patent corresponding to '791 col 17 line 65 through col 18 line 29. For Jeffers et al see '510 patent col 14 lines 58-64.